

# ADEQ Mercury Rule Outline

## I. Base Standard

### A. Alternatives

1. 0.0076 lb/GW-hr<sup>1</sup> (~ 0.8 lb/TBTU; i.e. 90 % control of lowest Hg input in AUG data)
2. 90 % control efficiency based on average Hg in coal in lbs/TBTU

### B. Compliance

1. Based on rolling 12-month average for all units at a facility.
2. For 90 % control efficiency standard, both emissions and Hg content of coal averaged over 12-month period.
3. Compliance with either alternative is compliance with the standard.

### C. Deadline: January 1, 2012 (beginning of first 12-month compliance period).

## II. Temporary Alternative Standard (TAS)

### A. Conditions

1. The owner/operator has installed and operated control technology or boiler technology or has followed practices projected to meet the base standard (“control strategy”).
2. The owner/operator has maintained the mercury-emitting generating unit, including any associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing mercury emissions.
3. The control strategy has failed to result in emissions meeting the base standard.
4. The owner/operator notifies the Department of the failure to comply by January 30, 2013 (i.e. one month after the end of the first 12-month compliance period).
5. By no later than July 1, 2013, the owner/operator files an application for a significant permit revision that includes a compliance schedule providing for compliance with the base standard as soon as practicable but in no event later than January 1, 2017.

### B. Terms

1. The TAS shall consist of the emission limit in lbs/TBTU that monitoring data indicate can be achieved by the control strategy.

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<sup>1</sup> 0.8 lb/TBTU \* 9500 BTU/kWh \* TBTU/10<sup>12</sup> BTU \* 10<sup>6</sup> kWh/GWh = 0.0076

2. The TAS shall expire on January 1, 2017. Compliance with the base standard shall be required beginning on that date (i.e., the first 12-month compliance period for the base standard shall end on that date).
3. The owner/operator shall not be subject to a compliance action for failing to meet the base standard from January 1, 2012 to January 1, 2017.
4. By no later than January 30, 2022, the owner/operator shall submit an application for a significant permit revision containing an analysis of available technology for controlling mercury emissions. On the basis of that analysis, the Department may impose an emission limit that is more stringent than the base standard in I.A on any units that were subject to the TAS.

### **III. Participation in National Trading Program**

Allowed until January 1, 2013.